

Name: _____

Systems Word Problem Project

Rough Draft due Thursday/Friday, November 20/21

Directions: Create a SYSTEMS of linear equations word problem and solve the system yourself. You MUST be original in the wording of your problem and the numbers involved. (You will receive no credit if you take a problem from the textbook or online or your notes, use those values and just change some of the words or things involved.) You have FREEDOM over which type of systems word problem you create (ie: mixture, pricing, farm animals, transportation, anything!). **If you want an extra challenge, try one not taught in class (breaking even, current/wind) or create a system of THREE equations. Explanations for those are in the textbook.**

1. The Situation: (Write your situation here; include all important information and the TWO questions. Use only words - write out all numbers.)

2. The Variables: (Define your variables here.)

3. The System: (Write your system of equations here.)

4. The Solving Process: (Solve your system algebraically here.)

5. The Checking: (Check your solution here via substitution and reality.)

6. The Solutions: (Write your solutions here.)

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Final Product: Thursday, December 11th

Directions: After completing the Rough Draft and having your systems word problem approved by Ms. Chall or Mr. Stiff, you now must choose how to present your project using one of the options in the Think-Tac-Toe chart below. Keep in mind that whatever option you choose now cannot be reused for a future project. **You may NOT use the same product that you used for the Q1 project.**

IMPORTANT: Your final product should display, explain and interpret your word problem. You should not just list the steps, but should creatively showcase the word problem so that the average reader/viewer can understand your problem! **DO NOT TRY TO SUBMIT YOUR ROUGH DRAFT AS YOUR PROJECT. YOUR ROUGH DRAFT IS A HOMEWORK GRADE AND WILL NOT BE COUNTED FOR YOUR PROJECT!**

ALL PRESENTATIONS MUST CLEARLY SHOWCASE ALL SIX PARTS OF YOUR WORD PROBLEM!

PowerPoint	Paper (1 page minimum)	Speech (with prop)
Poem	Skit	Video/Movie
Song	Poster	Booklet

Requirements for Each Presentation Style:

It is your responsibility to examine and follow the project requirements for your particular mode of presentation.

PowerPoint: Your PowerPoint must be a minimum of 6 slides. Each slide must contain a picture. All six parts of your word problem must be included and correct spelling and grammar is required. Creativity is a must! Your PowerPoint must be EMAILED or shared via Google drive (no flash drives).

Paper: Your paper must be typed in Times New Roman font, 12 point, double-spaced. Your heading must be four lines only, single spaced (name/date/period/assignment description). Your paper should include all six parts of your word problem with additional information about the creation and your thinking process. Spelling and grammar count! **ONE PAGE MINIMUM.** Your paper must be PRINTED out or EMAILED or shared via Google drive (no flash drives).

Speech (with prop): Your speech must be a minimum of 2 minutes and a maximum of 5 minutes. You must present all six parts of your word problem and you may use notecards to guide you. You should make eye contact with your audience, speak at a pace and volume that can be clearly understood, and there should be evidence that you have practiced your speech. A PROP RELATED TO YOUR WORD PROBLEM IS REQUIRED.

Poem: Your poem must be typed in Times New Roman font, 12 point, double-spaced. Your heading must be four lines only, single spaced (name/date/period/assignment description). Your poem should include all six parts of your word problem with room for creativity. Your poem can be in any form you like, but you need a minimum of three stanzas with a minimum of three lines each. Spelling counts!

Skit: Your skit must be a minimum of 2 minutes and a maximum of 5 minutes. You must present all six parts of your word problem through your skit and you may use notecards to guide you. You should speak at a pace and volume that can be clearly understood, and there should be evidence that you have practiced your skit. **ALTHOUGH YOU MAY USE OTHER STUDENTS IN THE CLASS FOR YOUR SKIT, THESE STUDENTS WILL NOT RECEIVE CREDIT FOR YOUR SKIT AND YOU MUST REHEARSE WITH THEM OUTSIDE OF CLASS TIME.**

Video/Movie: Your video/movie must be a minimum of 2 minutes and a maximum of 5 minutes. You must present all six parts of your word problem through your movie. Creativity is a MUST, but the algebra must be clear. Your video/movie MUST be EMAILED, available on the Internet or burned to a DVD that can be played on a DVD player.

Song: Your song must be a minimum of 2 minutes and a maximum of 5 minutes. You must present all six parts of your word problem and you must either record your song ahead of time or play it live for the class. If you record your song ahead of time, you are responsible for bringing all technology required to play your song for the class.

Poster: Your poster must be at least 12" by 12" and should be on posterboard or cardstock. All six parts of your word problem must be present on your poster. Your poster must be neat, colorful and creative and include an additional element besides text (ie: scrapbooking embellishment, drawing, ribbons, etc). Spelling and grammar count!

Booklet: Your booklet must be a minimum of 6 pages, including a title page. All six parts of your word problem must be presented, and you must have a drawing or picture on each page. Spelling and grammar count and creativity is a must! Your booklet CANNOT be on looseleaf paper and must be creatively bound.

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Word Problem Final Project Product Rubric
Your final product will be graded on the following:

	Unsatisfactory (0-3)	Satisfactory (4-8)	Outstanding (9-10)	Score
Creativity and Originality of Word Problem	Word problem is not creative or original.	Word problem somewhat creative, and original.	Word problem is creative, original, has a personal touch.	
Difficulty of Word Problem	Word problem is not difficult.	Word problem has some level of difficulty.	Word problem has an appropriate level of difficulty for you and has extra information in order to mislead the reader.	
Presentation Product <i>See previous page for requirements for your choice of project product.</i>	Presentation product does not fulfill the requirements.	Presentation product somewhat or mostly fulfills the requirements.	Presentation product fully meets all of the requirements and adds a personal, creative touch.	
Effort	Product demonstrates minimal effort.	Project demonstrates a moderate level of effort.	Student clearly spent time and effort creating an excellent final product.	
	Unsatisfactory (0-7)	Satisfactory (8-17)	Outstanding (18-20)	
Algebraic Problem-Solving Process	Word problem is not solved algebraically and/or accurately.	Word problem is solved using some or most of the algebraic problem solving steps and is mostly accurate.	Word problem is solved thoroughly using all of the algebraic problem solving steps and is completely accurate and includes an explanation of your problem-solving process.	
Total				/60